BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Improvements to Roads and Drains at Lakkappa Layout and Hosabalu Nagara in Ward No.11, (Kuvempunagara).

Estimated Cost : Rs. 100.00 Lakhs

Job Code: 011-22-000003

Head of Account : P-3075 Special Comprehensive Development Works

Name of Agency: Sri Nagor Lokanadha Reddy, Flat No. 102, 1st Floor, No. 02 MSNR Cross, Manorayanapalya, RT Nagar, Bangalore - 560032.

Work order No: EE/BTP/BBMP/E-PMT/11(49267)/WO/58/2021-22 D: 18-03-2022.

	Measurements Recarded on :	16/05/22								
Sl No	**Description of work**	**Mesurement**						**Qty**	**Rate**	**Amount**
		No.	**L**	**B1**	**B2**	**Av.,B**	**D**			
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 to 3 is =							**528.50**	**217.00**	**114685.00**
2	**Removing and refixing** stone slabs of drains and pointing in CM (1:3)									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 4 is =							**698.76**	**116.00**	**81057.00**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.									
	Vardaraj Swamy Layout									
	1st Main Road N/S									
	Dead end to Cross Road	1	10.50				1.35	14.18		
		1	5.50				1.35	7.43		
		1	6.80				1.35	9.18		
		1	7.60				1.35	10.26		
		1	5.10				1.35	6.89		
		1	6.80				1.35	9.18		
		1	4.60				1.35	6.21		
		1	5.80				1.35	7.83		
		1	6.40				1.35	8.64		
	Vardaraj Swamy Layout									
	1st Main Road N/S									
	Dead end to 1st Cross	1	8.50				1.35	11.48		
	1st Cross to 2nd Cross	1	6.40				1.35	8.64		
	2nd Cross to 3rd Cross	1	7.30				1.35	9.86		
	3rd Cross to 4th Cross	1	5.60				1.35	7.56		
	4th Cross to 5th Cross	1	4.90				1.35	6.62		
	5th Cross to 6th Cross	1	6.70				1.35	9.05		
	6th Cross to 2nd A Cross	1	9.80				1.35	13.23		
	2nd A Cross to 1st A Cross	1	12.60				1.35	17.01		
		1	10.20				1.35	13.77		
			Total Qty =					**176.99**		
			Qty Limited to =					**174.69**	**779.00**	**136084.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bangaluru Mahanagara Palike

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on : 20/05/22									
4	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 5 to 6 is =							**78.51**	**6093.00**	**478362.00**
5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm									
	Drain									
	Bottom Raft									
	Vardaraj Swamy Layout									
	From Aswathakatte to Cross road S/S	1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	13.10			0.90	0.15	1.77		
	From Aswathakatte to 1st A Cross road N/S									
		1	15.00			0.90	0.15	2.03		
		1	10.20			0.90	0.15	1.38		
	1st Cross Vadarajaswamy Layout									
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	15.00			0.90	0.15	2.03		
		1	5.00			0.90	0.15	0.68		
	Side Wall									
	Vardaraj Swamy Layout									
	From Aswathakatte to Cross road S/S	2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	13.10			0.15	0.60	2.36		

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

66.35

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	From Aswathakatte to 1st A Cross road N/S									
		2	15.00			0.15	0.60	2.70		
		2	10.20			0.15	0.60	1.84		
	1st Cross Vadarajaswamy Layout									
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	15.00			0.15	0.60	2.70		
		2	5.00			0.15	0.60	0.90		
			Total Qty =					79.79		
	Total		Qty Limited to =					**79.70**	**8116.00**	**646846.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on :	24/05/22								
6	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 7 is =							**4.78**	**95125.00**	**454698.00**
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10 cm thick and Finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., copmplete.									
	New Drain Cover slab									
	Vardaraj Swamy Layout									
	From Main Road to Aswathakatte N/S	1	20.00			0.75		15.00		
	From Aswathakatte to 1st A Cross road N/S	1	25.00			0.90		22.50		
	From 1st A Cross road to 2nd Cross N/S	1	21.60			0.75		16.20		
		1	5.40			0.75		4.05		
		1	11.40			0.90		10.26		
		1	12.00			0.75		9.00		
	2nd A Cross to 6th Cross	1	15.80			0.75		11.85		
	6th Cross to 5th Cross	1	16.10			0.75		12.08		
	5th Cross to 4th Cross	1	19.70			0.75		14.78		
	4th Cross to 3rd Cross	1	18.20			0.75		13.65		
	3rd Cross to 2nd Cross	1	17.30			0.75		12.98		
	2nd Cross to 1st Cross	1	17.40			0.75		13.05		
	1st Cross to Dead End	1	27.00			0.75		20.25		
	From Dead End to Cross Road S/S									
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	7.00			0.75		5.25		
	Deduct BS Slabs in front of Houses	-2	9.60			0.75		-14.40		
	Cross Road to Aswathakatte S/S									
		1	15.00			0.90		13.50		
		1	14.30			0.90		12.87		
		1	5.90			0.90		5.31		
		1	15.00			0.90		13.50		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
		1	3.00			0.90		2.70	380.42	
		1	8.80			0.90		7.92		
		1	1.20			0.90		1.08		
		1	8.70			0.90		7.83		
		1	15.00			0.90		13.50		
		1	15.70			0.90		14.13		
	Culvert Slab									
	4th Cross	1	6.00			1.20		7.20		
	5th Cross	1	5.70			1.20		6.84		
	Singapura Layout 1st Main Road N/S									
	From Singaura 1st Cross to Dead End	1	6.20			0.90		5.58		
		1	8.90			0.90		8.01		
		1	10.00			0.90		9.00		
		1	8.60			0.90		7.74		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	3.40			0.90		3.06		
		1	9.10			0.90		8.19		
		1	9.40			0.90		8.46		
		1	9.80			0.90		8.82		
		1	3.00			0.90		2.70		
		1	1.80			0.90		1.62		
		1	9.00			0.90		8.10		
		1	8.20			0.90		7.38		
	Singapura Layout 1st Main Road S/S									
	From Dead End to Singaura 1st Cross	1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	6.00			0.90		5.40		
		1	11.20			0.90		10.08		
		1	12.50			0.90		11.25		
		1	15.00			0.90		13.50		
		1	7.20			0.90		6.48		
		1	12.90			0.90		11.61		
		1	12.40			0.90		11.16		
		1	15.00			0.75		11.25		
		1	9.70			0.90		8.73		
		1	5.80			0.90		5.22		
		1	9.00			0.90		8.10		
	Singapura Layout 2nd Main Road N/S									
	Singapura Main Road to Dead End	1	6.30			0.90		5.67		
		1	6.40			0.90		5.76		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	4.10			0.90		3.69		
		1	5.00			0.90		4.50		
	Total Qty		**Total Qty =**					**737.18**		
			Qty Limited to =					**736.20**		
								456.75	**2018.00**	**921722.00**

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bangaluru Mahanagara Pa

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
								279.45	2453.15	685533.00

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on : 10/06/22									
8	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 8 is =							**1950.00**	**43.40**	**84630.00**
9	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.									
	Qty Vide Item No. 08							1950.00		
	Total							**1950.00**	**6.60**	**12870.00**
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 9 is =							**578.85**	**2101.00**	**1216164.00**
11	Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 10 to 11 is =							**3185.40**	**35.60**	**113401.00**
12	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.4 % VG-30 Bitumen									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 12 to 13 is =							**159.27**	**7105.00**	**1131614.00**
13	Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 14 to 15 is =							**4038.00**	**13.30**	**53706.00**
14	Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 5.4% VG-30 Bitumen									
	Vardaraj Swamy Layout									
	1st Main Road from Dead End to Main Road	1	15.00	5.50	7.00	6.25	0.04	3.75		
		1	15.00	7.00	7.60	7.30	0.04	4.38		
		1	15.00	7.60	7.40	7.50	0.04	4.50		
		1	15.00	7.40	7.70	7.55	0.04	4.53		
		1	15.00	7.70	7.50	7.60	0.04	4.56		
		1	15.00	7.50	7.60	7.55	0.04	4.53		
		1	15.00	7.60	7.00	7.30	0.04	4.38		
		1	15.00	7.00	6.40	6.70	0.04	4.02		

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
		1	15.00	6.40	7.20	6.80	0.04	4.08		
		1	15.00	7.20	7.50	7.35	0.04	4.41		
		1	15.00	7.50	7.10	7.30	0.04	4.38		
		1	15.00	7.10	6.40	6.75	0.04	4.05		
		1	15.00	6.40	5.40	5.90	0.04	3.54		
		1	15.00	5.40	5.70	5.55	0.04	3.33		
		1	15.00	5.70	5.80	5.75	0.04	3.45		
		1	15.00	5.80	5.60	5.70	0.04	3.42		
		1	15.00	5.60	5.30	5.45	0.04	3.27		
		1	15.00	5.30	5.30	5.30	0.04	3.18		
		1	15.00	5.30	5.80	5.55	0.04	3.33		
		1	15.00	5.80	5.50	5.65	0.04	3.39		
		1	15.00	5.50	5.80	5.65	0.04	3.39		
		1	15.00	5.80	5.70	5.75	0.04	3.45		
		1	15.00	5.70	6.00	5.85	0.04	3.51		
		1	15.00	6.00	5.80	5.90	0.04	3.54		
		1	15.00	5.80	5.70	5.75	0.04	3.45		
		1	15.00	5.70	5.20	5.45	0.04	3.27		
		1	15.00	5.20	5.50	5.35	0.04	3.21		
		1	18.30	5.50	7.00	6.25	0.04	4.58		
		1	17.00	6.60	7.80	7.20	0.04	4.90		
		1	6.50	6.20	5.40	5.80	0.04	1.51		
	Aswathkatte to Main Road	1	15.00	8.40	6.00	7.20	0.04	4.32		
		1	15.00	6.00	5.00	5.50	0.04	3.30		
	Lakappa Layout 5th Cross									
		1	15.00	3.90	3.80	3.85	0.04	2.31		
		1	15.00	3.80	3.80	3.80	0.04	2.28		
		1	15.00	3.80	4.00	3.90	0.04	2.34		
		1	15.00	4.00	4.40	4.20	0.04	2.52		
		1	15.00	4.40	4.40	4.40	0.04	2.64		
		1	15.00	4.40	4.00	4.20	0.04	2.52		
		1	15.00	4.00	4.60	4.30	0.04	2.58		
		1	15.00	4.60	4.70	4.65	0.04	2.79		
		1	15.00	4.70	5.20	4.95	0.04	2.97		
		1	15.00	5.20	5.50	5.35	0.04	3.21		
		1	15.00	5.50	5.20	5.35	0.04	3.21		
		1	15.00	5.20	4.80	5.00	0.04	3.00		
		1	18.00	4.80	6.00	5.40	0.04	3.89		
	Cross Road									
		1	15.00	5.00	4.80	4.90	0.04	2.94		
		1	15.00	4.80	4.80	4.80	0.04	2.88		
		1	5.00	4.80	5.10	4.95	0.04	0.99		
	Deduction for Chambers	-14	3.14	1.00			0.04	-1.76		
		-1	0.60	0.60			0.04	-0.01		
			Total Qty =					**162.19**		
	Total		**Qty Limited to =**					**161.52**	**10501.00**	**1696122.00**

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
North Bengaluru Mahanagara Palike

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate	Amount
	Measurements Recarded on :	12/06/22								
15	**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per									
	Vardaraj Swamy Layout									
	1st Main Road from Dead End to Main Road	2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
		2	18.30			0.10		3.66		
		2	17.00			0.10		3.40		
		2	6.50			0.10		1.30		
	Aswathkatte to Main Road	2	15.00			0.10		3.00		
		2	15.00			0.10		3.00		
					Total Qty =			**95.36**		
	Total				**Qty Limited to =**			**94.00**	**477.00**	**44838.00**

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhat Bengaluru Mahanagara Palike

12/6

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Measurements Recarded on :	18/05/22								
	EIRL									
E1	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.									
	Qty as per Premeasurement Recorded vide E-Bill Page No. 16 to 17 is =							**612.80**	**1028.12**	**630032.00**
E2	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.									
	Vent Concrete									
	Vardaraj Swamy Layout									
	1st Main Road N/S									
	Dead end to 1st Cross	1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	2.00			0.45	0.10	0.09		
	1st Cross to 2nd Cross	1	15.00			0.45	0.10	0.68		
		1	12.10			0.45	0.10	0.54		
	2nd Cross to 3rd Cross	1	15.00			0.45	0.10	0.68		
		1	11.20			0.45	0.10	0.50		
	3rd Cross to 4th Cross	1	15.00			0.45	0.10	0.68		
		1	12.80			0.45	0.10	0.58		
	4th Cross to 5th Cross	1	15.00			0.45	0.10	0.68		
		1	14.30			0.45	0.10	0.64		
	5th Cross to 6th Cross	1	15.00			0.45	0.10	0.68		
		1	10.70			0.45	0.10	0.48		
	6th Cross to 2nd A Cross	1	15.00			0.45	0.10	0.68		
		1	10.30			0.45	0.10	0.46		
	2nd A Cross to 1st A Cross	1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	8.20			0.45	0.10	0.37		
	Aswath Katte to Main Road									
	N/S	1	15.00			0.45	0.10	0.68		
		1	14.60			0.45	0.10	0.66		
	S/S									
		1	15.00			0.45	0.10	0.68		
		1	14.60			0.45	0.10	0.66		
	Vardaraj Swamy Layout									
	1st Main Road S/S									
	Dead end to Cross Road	1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		

21.86

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
		1	15.00			0.45	0.10	0.68	21.86	
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	15.00			0.45	0.10	0.68		
		1	7.00			0.45	0.10	0.32		
	Coping Concrete									
	Vardaraj Swamy Layout									
	1st Main Road N/S									
	Dead end to 1st Cross	2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	2.00			0.15	0.12	0.07		
	1st Cross to 2nd Cross	2	15.00			0.15	0.12	0.54		
		2	12.10			0.15	0.12	0.44		
	2nd Cross to 3rd Cross	2	15.00			0.15	0.12	0.54		
		2	11.20			0.15	0.12	0.40		
	3rd Cross to 4th Cross	2	15.00			0.15	0.12	0.54		
		2	12.80			0.15	0.12	0.46		
	4th Cross to 5th Cross	2	15.00			0.15	0.12	0.54		
		2	14.30			0.15	0.12	0.51		
	5th Cross to 6th Cross	2	15.00			0.15	0.12	0.54		
		2	10.70			0.15	0.12	0.39		
	6th Cross to 2nd A Cross	2	15.00			0.15	0.12	0.54		
		2	10.30			0.15	0.12	0.37		
	2nd A Cross to 1st A Cross	2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	8.20			0.15	0.12	0.30		
	Aswath Katte to Main Road									
	N/S	2	15.00			0.15	0.12	0.54		
		2	14.60			0.15	0.12	0.53		
	S/S									
		2	15.00			0.15	0.12	0.54		
		2	14.60			0.15	0.12	0.53		
	Vardaraj Swamy Layout									
	1st Main Road S/S									
	Dead end to Cross Road	2	15.00			0.15	0.15	0.68		
		2	15.00			0.15	0.15	0.68		
		2	15.00			0.15	0.15	0.68		
		2	15.00			0.15	0.15	0.68		
		2	15.00			0.15	0.15	0.68		
		2	15.00			0.15	0.15	0.68	48.30	
		2	15.00			0.15	0.12	0.54	48.44	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Pal

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	15.00			0.15	0.12	0.54		
		2	7.00			0.15	0.12	0.25		
	Culverts									
	Vardaraj Swamy Layout									
	Coping and Vent Concrete									
	1st Cross	1	6.00			1.50	0.15	1.35		
	2nd Cross	1	6.00			1.50	0.15	1.35		
	3rd Cross	1	5.60			1.50	0.15	1.26		
	4th Cross	1	6.00			1.50	0.15	1.35		
	5th Cross	1	5.70			1.50	0.15	1.28		
	Ramp									
	1st Cross	2	6.00			1.00	0.15	1.80		
	2nd Cross	2	6.00			1.00	0.15	1.80		
	3rd Cross	2	5.60			1.00	0.15	1.68		
	4th Cross	2	6.00			1.00	0.15	1.80		
	5th Cross	2	5.70			1.00	0.15	1.71		
			Total Qty =					**68.26**		
	Total		**Qty Limited to =**					**68.16**	**5878.30**	**400665.00**

48-30

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Measurements Recarded on :	20/05/22								
E3	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.									
	Culverts									
	Vardaraj Swamy Layout									
	1st Crouse									
	1st Main Road									
	1st Cross	2	6.00			0.60	0.45	3.24		
	2nd Cross	2	6.00			0.60	0.45	3.24		
	3rd Cross	2	5.60			0.60	0.45	3.02		
	4th Cross	2	6.00			0.60	0.45	3.24		
	5th Cross	2	5.70			0.60	0.60	4.10		
	2nd Crouse									
	1st Main Road									
	1st Cross	2	6.00			0.45	0.45	2.43		
	2nd Cross	2	6.00			0.45	0.45	2.43		
	3rd Cross	2	5.60			0.45	0.45	2.27		
	4th Cross	2	6.00			0.45	0.45	2.43		
	5th Cross	2	5.70			0.45	0.45	2.31		
				Total Qty =				**28.71**		
				Qty Limited to =				**28.35**	**6100.84**	**172959.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara P

Sl No	Description of work	Mesurement						Qty	Rate	Amount
		No.	L	B1	B2	Av.,B	D			
	Measurements Recarded on :	23/05/22								
E4	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge.									
	Culverts									
	Vardaraj Swamy Layout									
	1st Main Road									
	1st Cross	1	6.00				1.20	7.20		
	2nd Cross	1	6.00				1.20	7.20		
	3rd Cross	1	5.60				1.20	6.72		
				Total Qty =				**21.12**		
				Qty Limited to =				**18.75**	**5687.27**	**106637.00**
	Sub Total									**9182625.00**
	GST @ 12%									**1101915.00**
									Grand Total	**10284540.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike